

bottom of a 50cm<sup>3</sup> polyethylene cup. The said cup was then infested with 10 middle instar larvae, and was preserved for 3 days at 25°C and 60% humidity. The surviving and moribund test insects on or off the fabric were observed 3 days later, as well as the degree of muslin wool fabric damaged.

5 The fed amount were given the following grades,

++++ : high degree of fabric damaged

+++ : an average degree of the fabric damaged

++ : a low degree of the fabric damaged

+: a lower degree of fabric damaged

10 —: no observable amount of fabric damaged

Furthermore, a control was performed with the use of a muslin wool fabric that is deficient of plant oil treatment.

As a result, the area treated with horseradish oil had all the test insects dead and off of the fabric and with a — grade for the degree of wool consumed. The non-treated  
15 area had all the test insects surviving and on the fabric and had a ++++ grade of wool consumed.

#### **We claim:**

1. A fabric protectant comprising of a carrier and a plant oil selected from the group consisting of:

horseradish oil, bay oil, basil oil, calamus oil, ginger oil, palmarosa oil, cinnamon oil, ylang-ylang oil, perilla oil, valerian oil, clove oil, star anise oil, milfoil oil, fennel oil, oregano oil and angelica oil.

2. A fabric protectant according to claim 1, wherein the plant oil is horseradish oil.
3. A fabric protectant according to claim 1, wherein the plant oil is bay oil.
4. A fabric protectant according to claim 1, wherein the plant oil is basil oil.
5. A fabric protectant according to claim 1, wherein the plant oil is calamus oil.
6. A fabric protectant according to claim 1, wherein the plant oil is ginger oil.
7. A fabric protectant according to claim 1, wherein the plant oil is palmarosa oil.
8. A fabric protectant according to claim 1, wherein the plant oil is cinnamon oil.
9. A fabric protectant according to claim 1, wherein the plant oil is ylang-ylang oil.
10. A fabric protectant according to claim 1, wherein the plant oil is perilla oil.
11. A fabric protectant according to claim 1, wherein the plant oil is valerian oil.
12. A fabric protectant according to claim 1, wherein the plant oil is clove oil.
13. A fabric protectant according to claim 1, wherein the plant oil is star anise oil.

14. A fabric protectant according to claim 1, wherein the plant oil is milfoil oil.
15. A fabric protectant according to claim 1, wherein the plant oil is fennel oil.
16. A fabric protectant according to claim 1, wherein the plant oil is oregano oil.
17. A fabric protectant according to claim 1, wherein the plant oil is angelica oil.
18. A method of protecting fabric which comprises dispersing, spraying, spreading or setting an effective amount of the plant oil selected from the group consisting of: horseradish oil, bay oil, basil oil, calamus oil, ginger oil, palmarosa oil, cinnamon oil, ylang-ylang oil, perilla oil, valerian oil, clove oil, star anise oil, milfoil oil, fennel oil, oregano oil and angelica oil, and to the places where pests invade.
19. A use for of a fabric protectant which comprises a plant oil selected from the group consisting of: horseradish oil, bay oil, basil oil, calamus oil, ginger oil, palmarosa oil, cinnamon oil, ylang-ylang oil, perilla oil, valerian oil, clove oil, star anise oil, milfoil oil, fennel oil, oregano oil and angelica oil.

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